

Download Nuclear Transfer Protocols Cell Reprogramming And Transgenesis

The genetic modification of animals to obtain transgenic animals started in 1980. The first transgenic animals were mice, which are still the most frequently used transgenic species. About 20 transgenic species have been obtained and they are more or less currently used. Various methods are being implemented to transfer foreign genes to the different species.

Biological Activity: Assay #1: Determined by dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8). **Assay #2:** The ED 50 was determined by a cell proliferation assay using balb/c 3T3 cells is ≈ 0.1 ng/ml, corresponding to a specific activity of $\approx 1 \times 10^7$ units/mg.

Michael Lin and colleagues at Stanford University have deposited plasmids encoding novel cas9 proteins that enable light regulated gene editing or activation of multiple genes in the same cell. These new constructs contain pDronpa domain inserts at two locations flanking the DNA-binding cleft of cas9. The inserts are engineered to block DNA access in the dark while Illumination changes their ...

Biological Activity: Assay #1: Determined by dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8). The expected ED 50 is ≈ 0.5 ng/ml corresponding to a specific activity of $\approx 2 \times 10^6$ units/mg. **Assay #2:** The ED 50 was determined by a cell proliferation assay using balb/c 3T3 cells is ...